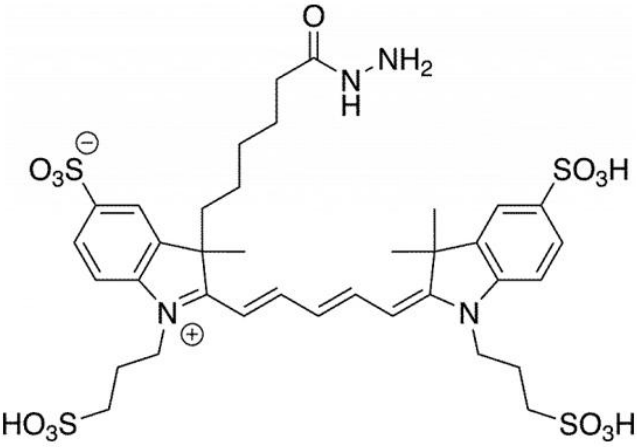
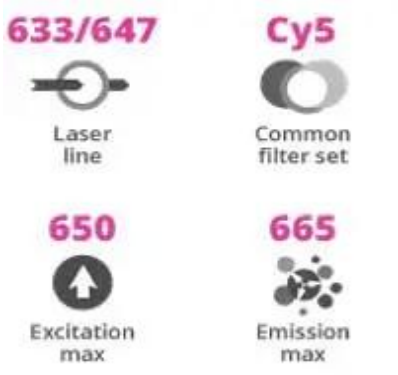
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

AZDYE 647 HYDRAZIDE

SKU: FP-1128



Description



AZDye™ 647 Hydrazide is a bright, far-red-fluorescent dye that often used for labeling aldehydes or ketones in polysaccharides or glycoproteins. AZDye™ 488 Hydrazide is useful as low molecular weight, membrane-impermeant, aldehyde-fixable cell tracers, exhibiting brighter fluorescence and greater photostability than cell tracers derived from other spectrally similar fluorophores.

AZDye™ 647 (Alexa Fluor ® 647 analog) is a water-soluble, bright, far-red-fluorescent dye with excitation ideally suited for the 633 nm or 647 nm laser lines. A significant advantage to using long wavelength dyes such as Cy5 or AZDye™ 647 dye over other fluorophores is the low

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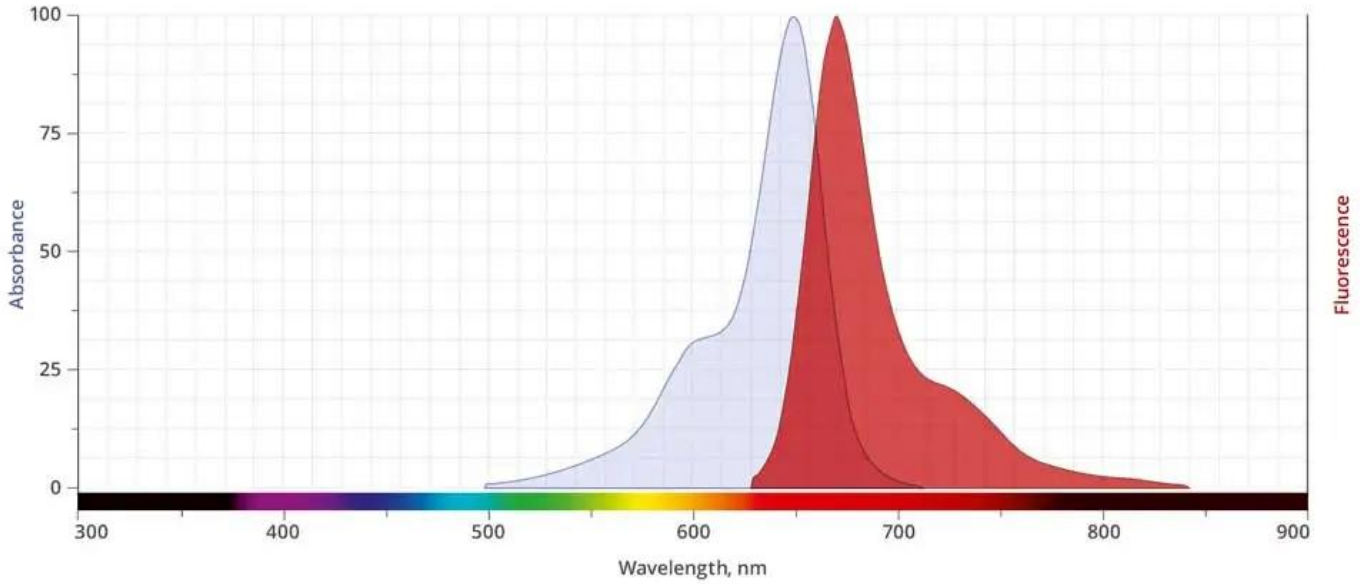
autofluorescence of biological specimens in this region of the spectrum. AZDye™ 647 is structurally similar to Alexa Fluor® 647, and spectrally is almost identical to Cy5 Dye, Alexa Fluor® 647, CF® 647 Dye, or any other Cyanine5 based fluorescent dyes.



Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Reactivity	Primary amine
Abs/Em Maxima	649/671 nm
Extinction coefficient	270,000 cm-1M-1
Solubility	Water, DMSO, DMF
Spectrally similar dyes	Cy5, DyLight® 649,
Molecular weight	873.04
Storage Conditions	-20°C.
